ColdBox

CONTROLLER SERVICES

‣ DebuggerService
‣ ModulesService
‣ InterceptorService
‣ ExceptionService
‣ PluginService
‣ HandlerService
‣ RequestService

SAMPLE HANDLER CODE

```
Component{
    this.allowedMethods = {};

    any function index(event){
        return "Hello";
    }
}
```

CORE PLUGINS

‣ AntiSamy
‣ ApplicationStorage
‣ BeanFactory
‣ CFCViewer
‣ ClientStorage
‣ ClusterStorage
‣ CookieStorage
‣ DateUtils
‣ FeedGenerator
‣ FeedReader
‣ FileUtils
‣ i18n
‣ IOC
‣ JavaLoader
‣ JSON
‣ JVMUtils
‣ Logger
‣ MailService
‣ MessageBox
‣ MethodInjector
‣ ORMService
‣ QueryHelper
‣ Renderer
‣ ResourceBundle
‣ SessionStorage
‣ StringBuffer
‣ Timer
‣ Utilities
‣ Validator
‣ Webservices
‣ XMLConverter
‣ Zip

FRAMEWORKSUPERTYPE

‣ **$abort(), $dump(), $htmlhead(),$include(),$throw(),$rethrow()**
‣ **addAsset(**assetList)
‣ **announceInterception**(state,[*interceptData*])
‣ **getColdBoxOCM**([cachename])
‣ **getController**()
‣ **getDatasource**(alias)
‣ **getDebugMode**()
‣ **getfwLocale**()
‣ **getInterceptor**(name)
‣ **getModel**(name,[useSetterInjection],[onDICompleteUDF], [stopRecursion],[dsl],[executeInit])
‣ **getMailSettings**()
‣ **getMyPlugin**(plugin,[*newinstance*])
‣ **getPlugin**(plugin,[*customPlugin*],[*newInstance*])
‣ **getResource**(resource,[default],[locale])
‣ **getSetting**(name, [*fwSetting*])
‣ **getSettingsBean**()
‣ **getSettingStructure**([*fwSetting*],[*DeepCopyFlag*])
‣ **includeUDF**(udfLibrary)
‣ **persistVariables**(persist,[persistStruct])
‣ **populateModel**(model,scope,trustedSetter,include,exclude)
‣ **renderExternalView**(view)
‣ **renderLayout**(layout)
‣ **renderView**([*view],[cache],[Timeout],[LastAccessTimeout]*)
‣ **runEvent**(event,[*prepostExempt*],[*private*])
‣ **setDebugMode**(mode)
‣ **setNextEvent**(event,[*queryString*],[addToken],[*persist*], [persistStruct],[ssl],[baseURL],[postProcessExempt],[URL],[URI], [statusCode])
‣ **setSetting**(name,value)
‣ **setFWLocale**(locale)
‣ **settingExists**(name, [*fwSetting*])

CONTROLLER COMMON METHODS

‣ **getAppRootPath()**
‣ **getCacheBox()**
‣ **getLogBox()**
‣ **getWireBox()**
‣ **getColdboxOCM**([name])
‣ **getColdboxSettings()**
‣ **getConfigSettings()**
‣ **getPlugin**(plugin,[*customPlugin*],[*newInstance*])
‣ **get{ServiceName}()**
‣ **getSettingStructure**([*fwSetting*],[*DeepCopyFlag*])
‣ **getSetting**(name, [*fwSetting*])
‣ **persistVariables**(persist,[persistStruct])
‣ **runEvent**(event,[*prepostExempt*],[*private*])
‣ **settingExists**(name, [*fwSetting*])
‣ **setSetting**(name,value)
‣ **setNextEvent**(event,[*queryString*],[addToken],[*persist*], [persistStruct],[ssl],[baseURL],[postProcessExempt],[URL],[URI], [statusCode])

COLDBOX COMMON CLASSES

CORE INTERCEPTORS

‣ Autowire
‣ ColdboxSideBar
‣ Deploy
‣ EnvironmentControl
‣ Security
‣ SES

INTERCEPTOR METHODS

‣ **configure**()
‣ **getProperties**(properties)
‣ **setProperties**()
‣ **getProperty**(name)
‣ **setProperty**(name, value)
‣ **propertyExists**(name)
‣ **unregister**(state)
‣ **clearBuffer**()
‣ **appendToBuffer**(string)
‣ **getBufferString**()
‣ **getBufferObject**()

HANDLER PROPERTIES

‣ **This** scope properties
‣ event_cache_suffix
‣ preHandler_only
‣ preHandler_except
‣ postHandler_only
‣ postHandler_except
‣ allowedMethods

IMPLICIT HANDLER EVENTS

‣ preHandler, pre{Action}
‣ postHandler, post{Action}
‣ onMissingAction

FOLDER CONVENTIONS

‣ Application.cfc
‣ index.cfm (empty)
‣ config
  ‣ Coldbox.cfc
  ‣ Routes.cfm
‣ handlers
‣ model
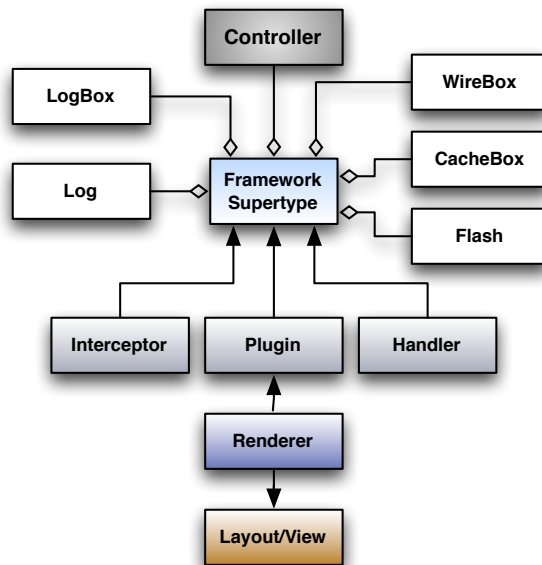‣ modules
‣ layouts
‣ views

REQUEST CONTEXT COMMON METHODS (RECEIVED AS EVENT)

‣ **buildLink**(linkto,[translate],[ssl],[baseURL],[queryString])
‣ **clearCollection**()
‣ **collectionAppend**(collection,[*overwrite*])
‣ **getCollection**([*DeepCopyFlag*],[private])
‣ **getCurrentAction**()
‣ **getCurrentEvent**()
‣ **getCurrentHandler**()
‣ **getCurrentLayout**()
‣ **getCurrentModule**()
‣ **getCurrentRoute**()
‣ **getCurrentRoutedURL**()
‣ **getCurrentView**()
‣ **getDefaultLayout**()
‣ **getDefaultView**()
‣ **getEventName**()
‣ **getHTTPHeader**(header,[default])
‣ **getHTTPMethod**()
‣ **getModuleRoot**()
‣ **getSESBaseURL**(), **setSESBaseURL**()
‣ **getSize()**

‣ **getTrimValue**(name,[default],[private]), **getValue**(name,[*default*],[private])
‣ **isAjax**()
‣ **isProxyRequest**()
‣ **isSES**()
‣ **isSSL**()
‣ **noExecution**()
‣ **noRender**([*remove*])
‣ **overrideEvent**(event)
‣ **paramValue**(name, value,[private])
‣ **renderData(** type,data,[contentType],[encoding],[statusCode],[statusText], [jsonCase],[jsonQueryFormat][jsonAsText],[xmlColumnList], [xmlUseCDATA],xmlListDelimiter],[xmlRootName])
‣ **removeValue**(name,[private])
‣ **setHTTPHeader**(statusCode,statusText,name,value,charset)
‣ **setLayout**(name)
‣ **setValue**(name, value,[private])
‣ **setView**(name,[*noLayout*],[*cache*],[*cacheTimeout*],[cache*LastAccessTimeout*], [cacheSuffix],[layout])
‣ **valueExists**(name,[private])
‣ **showDebugPanel**(boolean)

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ColdBox

SAMPLE INTERCEPTOR

```
component{
  function configure(){
  //configure properties here
  }
  //method = interception point
  function preProcess(interceptData,
                      event){

  }
}
```

SAMPLE PLUGIN

```
component singleton=true{
   function init(){
      setPluginName("MyPlugin");
      setPluginVersion("1.0");
      setPluginDescription("MyPlugin");
      setPluginAuthor("YourName");
      setPluginAuthorURL("www.my.com");
   }
}
```

COLDBOX CONFIG

- ‣Coldbox (struct)
- ‣Settings (struct)
- ‣Conventions (struct)
- ‣Environments (struct)
- ‣Ioc (struct)
- ‣Models (struct)
- ‣Debugger (struct)
- ‣mailSettings (struct)
- ‣I18n (struct)
- ‣BugTracers (struct)
- ‣Webservices (struct)
- ‣Datasources (struct)
- ‣LayoutSettings (struct)
- ‣Layouts (array of structs)
- ‣Cachebox (struct)
- ‣Logbox (struct)
- ‣InterceptorSettings (struct)
- ‣Interceptors (array of structs)
- ‣Modules (struct)

CONFIG INJECTED VARS

- ‣ AppMapping
- ‣ Controller
- ‣ LogBoxConfig

SES ROUTE METHODS

- ‣addRoute(*)
- ‣addModuleRoutes(pattern, module)
- ‣setBaseURL()
- ‣setUniqueURLS()
- ‣setAutoReload()
- ‣setExtensionDetection()
- ‣setValidExtensions()
- ‣setLooseMatching()

COLDBOX INTERCEPTION POINTS

- ‣**afterConfigurationLoad()**
- ‣**afterAspectsLoad()**
- ‣**afterPluginCreation() ***
  - ‣pluginPath, custom, oPlugin
- ‣**afterHandlerCreation() ***
  - ‣handlerPath, oHandler
- ‣**afterModelCreation() ***
  - ‣modelName, oModel
- ‣**applicationStart()**
- ‣**applicationEnd()**
- ‣**onException() ***
  - ‣exception
- ‣**onReinit()**
- ‣**preProcess()**
- ‣**postProcess()**
- ‣**preEvent()**
  - ‣processedEvent
- ‣**preLayout()**
- ‣**preProxyResults()**
- ‣**preRender() ***
  - ‣renderedContent
- ‣**postEvent() ***
  - ‣processedEvent
- ‣**postRender()**
- ‣**preViewRender()**
  - ‣View, cache, cacheTimeout, cacheLastAccessTimeout, cacheSuffix, module
- ‣**postViewRender()**
  - ‣View, cache, cacheTimeout, cacheLastAccessTimeout, cacheSuffix, module, renderedView
- ‣**sessionStart()**
- ‣**sessionEnd()**

* Has intercept data

CACHEBOX INTERCEPTION POINTS

- ‣**afterCacheElementInsert()**
  - ‣Cache, cacheObject, cacheObjectKey, cacheObjectTimeout, cacheObjectLastAccessTimeout
- ‣**afterCacheElementRemoved()**
  - ‣Cache, cacheObjectKey
- ‣**afterCacheElementExpired()**
  - ‣Cache, cacheObjectKey
- ‣**afterCacheElementUpdated()**
  - ‣Cache, cacheNewObject, cacheOldObject
- ‣**afterCacheClearAll()**
  - ‣Cache
- ‣**afterCacheRegistration()**
  - ‣Cache
- ‣**afterCacheRemoval()**
  - ‣Cache (name)
- ‣**beforeCacheRemoval()**
  - ‣Cache
- ‣**beforeCacheReplacement()**
  - ‣oldCache, newCache
- ‣**afterCacheFactoryConfiguration()**
  - ‣cacheFactory
- ‣**beforeCacheFactoryShutdown()**
  - ‣cacheFactory
- ‣**afterCacheFactoryShutdown()**
  - ‣cacheFactory
- ‣**beforeCacheShutdown()**
  - ‣cache
- ‣**afterCacheShutdown()**
  - ‣Cache

* Has intercept data

* ADDROUTE()

- ‣[pattern]
- ‣[handler]
- ‣[action]
- ‣[matchVariables]
- ‣[view]
- ‣[viewNoLayout]
- ‣[valuePairTranslation]
- ‣[constraints]
- ‣[module]

SES INTERCEPTOR PROPERTIES

- ‣**configFIle** : relative or absolute routes file defaults to (config/Routes.cfm)

ENVIRONMENTCONTROL INTERCEPTOR PROPERTIES

- ‣**configFile :** relative or absolute file location
- ‣**fireOnInit** : [boolean=true]

SECURITY INTERCEPTOR PROPERTY

- ‣**useRegex** : [boolean=true]
- ‣**rulesSource** : [string=xml, db, ioc, ocm, model]
- ‣**queryChecks** : [boolean=true]
- ‣**preEventSecurity** : [boolean=false]
- ‣**validator** : [classpath]
- ‣**validatorIOC** : [bean name]
- ‣**validatorModel** : [model name]

OBJECT PERSISTENCE ANNOTATIONS

- ‣**@Singleton**
- ‣**@cache = true or false**
- ‣**@cacheTimeout = minutes**
- ‣**@cacheLastAccessTimeout = minutes**

PROPERTY, SETTER, ARGUMENT ANNOTATIONS

- ‣**@inject = Autowire DSL**

AUTOWIRE INTERCEPTOR PROPERTIES

- ‣**completeDIMethodName** : [string=onDIComplete]
- ‣**enableSetterInjection** : [boolean=false]
- ‣**annotationCheck** : [boolean=false]
- ‣**entityInjection** : [boolean=false]
- ‣**entityInclude** : [string]
- ‣**entityExclude**: [string]

DEPLOY INTERCEPTOR PROPERTIES

- ‣**tagFile :** relative or absolute file location
- ‣**deployCommandObject** : instantiation path
- ‣**deployCommandModel :** [model name]

COLDBOXSIDEBAR INTERCEPTOR PROPERTIES

- ‣**baseAppPath : [string=cgi.script.name]**
- ‣**cssPath : [string]**
- ‣**jsPath : [string]**
- ‣**URLParamNameList : [string]**
- ‣**Yoffset : [numeric]**
- ‣**slideSpeed : [numeric]**
- ‣**waitTimeBeforeOpen : [numeric]**
- ‣**waitTimeBeforeClose : [numeric]**
- ‣**isScroll : [boolean]**
- ‣**Links : [array]**
- ‣**Width : [numeric]**
- ‣**visibleWidth : [numeric]**
- ‣**imagePath : [path]**
- ‣**imageVAlign : [numeric]**

SES ROUTES

- ‣Default Pattern
  :handler/:action?
- ‣:var ANY Placeholder
- ‣:var-numeric Numeric
- ‣:var-alpha Alpha
- ‣:var{X} Limit by X
- ‣? = optional placeholder
- ‣:regex() Limit by regex
- ‣Valid Extensions: xml, json, jsont, html, htm, rss

URL ACTIONS (INDEX.CFM?)

- ‣ fwreinit=1 or {reinitPassword}
- ‣ debugmode=true
- ‣ debugpass={DebugPass}
- ‣ fwcache=anything
- ‣ dumpvar=varlist

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